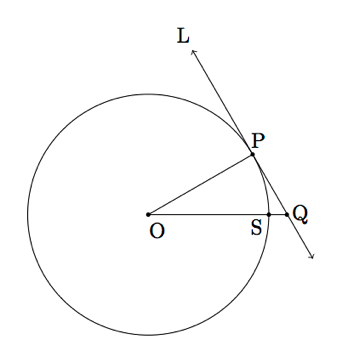
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

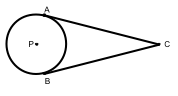
**6.2 Tangent Lines**



**Theorem:**

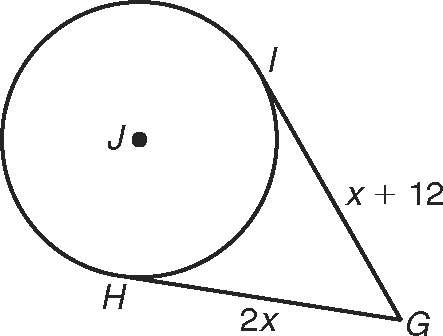
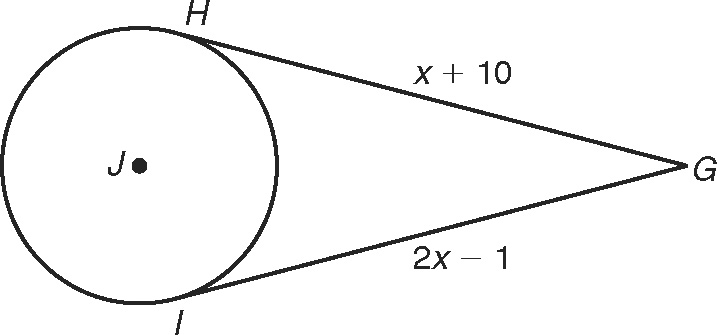
**Converse:**

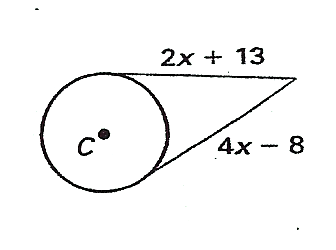
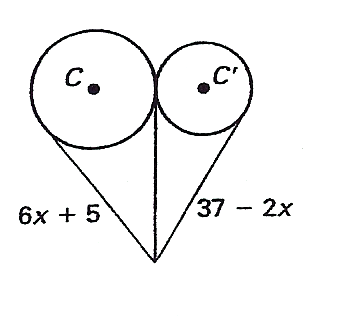
**Theorem:**

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**Practice**

Directions: Solve for *x*.













Show the two given circles are similar by stating the necessary transformations from C to D.

A. Circle C: center (–2, 8) radius 4; Circle D: center (0, 4) radius 9

B. Circle C: center (2, 8) radius 2; Circle D: center (–2, 4) radius 1.